

Unit 6 Lesson 4C HW

Solve each equation on the interval $[0, 2\pi)$

1. $\cos x = \frac{\sqrt{3}}{2}$

2. $2 \sin x + \sqrt{3} = 0$

3. $7 \cos \theta + 9 = -2 \cos \theta$

4. $\tan 3x = \sqrt{3}$

5. $\sin\left(2x - \frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$

6. $4 \sec^2 x - 2 = 0$

7. $\cot^2 x \sin x = \cot^2 x$

8. $2 \cos^2 x - \sin x - 1 = 0$